

40407 El Dorado, AR
Clean Harbors Environmental Services – Chemical Reaction
Summary of Air Monitoring Results
December 19, 2012
DRAFT

This data report discusses real-time air monitoring data collected between December 19th 02:25 and December 19th 15:33 in support of mitigation and remediation operations conducted near Clean Harbors El Dorado and the surrounding community in El Dorado, AR following a chemical reaction in a trailer on site.

Real-time air monitoring for chlorine, hydrogen chloride, percent of lower explosive limit (LEL), particulate matter (PM10), and volatile organic compounds (VOCs) was conducted using hand-held instruments such as the MultiRAE Plus, AM510, and colorimetric detector tubes. Table 1 displays a data summary for all handheld data. Appendix 1 shows a map representing the locations in which real-time air monitoring was conducted.

Table 1
Hand-held Real-time Summary – December 19th 02:25 – December 19th 15:33

Community					
Analyte	Instrument	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
Chlorine	MultiRAE Plus	82	0	NA	<0.1 ppm
Chlorine 8La	Gastec	27	0	NA	<0.05 ppm
Hydrogen Chloride 14L	Gastec	35	0	NA	<0.05 ppm
LEL	MultiRAE Plus	33	0	NA	<1%
PM10	AM510	30	30	0.007 mg/m3	0.16 mg/m3
VOC	MultiRAE Plus	82	0	NA	<0.1 ppm
Work Area					
Analyte	Instrument	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
Chlorine	MultiRAE Plus	3	1	3.2 ppm	3.2 ppm
Chlorine 8La	Gastec	1	1	2.0 ppm	2.0 ppm
Hydrogen Chloride 14L	Gastec	1	1	20.0 ppm	20.0 ppm
VOC	MultiRAE Plus	3	1	0.1 ppm	0.1 ppm

NA = not applicable

Appendix 1: Real-Time Reading Location Map

